

# PSM-LWL-RUGGED-980/1000 - FO cable



2744322

<https://www.phoenixcontact.com/us/products/2744322>

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Polymer fiber cable, duplex 980µm/1000µm, heavy-weight version for installation in stationary systems and machines, by the meter without male connector

## Your advantages

- Robust installation cable for installation in stationary systems and machines
- For indoors
- Designed to meet increased requirements in terms of tensile and lateral loads
- Reinforced polyurethane (PUR) outer sheath
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Halogen-free, ozone, and UV resistant

## Commercial data

Item number	2744322
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC231
Catalog page	Page 356 (C-8-2015)
GTIN	4017918170844
Weight per piece (including packing)	51.74 g
Weight per piece (excluding packing)	51.74 g
Customs tariff number	85447000
Country of origin	DE

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## Technical data

### Product properties

Product type	Data cable by the meter
Number of positions	2

### Electrical properties

Transmission medium	Polymer fiber
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### Interfaces

Signal	Ethernet
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### Dimensions

#### External dimensions

External diameter min.	7.5 mm
External diameter max.	8.5 mm

### Material specifications

Color (Outer sheath)	red (RAL 3001)
Color (Single-core wire)	black (RAL 9005)
Material Separating film	Aluminum
Outer sheath, material	PUR

### Cable/line

Cable length	Free input (0.4 ... 100 m)
Cable weight	54 kg/km
Cable abbreviation	J-V11Y 4Y2P 980/1000 160A 10
External cable diameter	8 mm
Outer sheath, material	PUR
External sheath, strain relief elements	Non-metallic, aramide fiber
Single wire, material	PA
Individual wire diameter	2.2 mm ±0.07 mm
Bending radius, single element	30 mm (Short-term)
	30 mm (Short-term)
Bending radius, entire cable	65 mm (Short-term)
	65 mm (Short-term)
Bending radius	30 mm (Short-term)
	30 mm (Permanent)
	65 mm (Short-term)
	65 mm (Permanent)
Tensile strength short-term/long-term	1000 N / 100 N
Lateral pressure short term	300 N/cm
Lateral pressure, long-term	20 N/cm

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Impact strength	2 Nm / 10 x
660 nm	230 dB/km
Halogen-free	According to IEC 60754-2

## FO cable

Fiber	Polymer fiber, 980/1000 µm
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## Mechanical properties

Tensile strength short-term/long-term	1000 N / 100 N
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## Environmental and real-life conditions

### Ambient conditions

Impact strength	2 Nm / 10 x
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (installation)	-5 °C ... 50 °C
Altitude	5000 m

## Mounting

cable layer type	Indoors
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## Classifications

### ECLASS

ECLASS-11.0	27061803
ECLASS-12.0	27061803
ECLASS-13.0	27061803

### ETIM

ETIM 9.0	EC000034
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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